Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work:Improvements To Roads and Drains And Other Developmental Works At Akshshaya,Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]

Modified Schedule-B

Item No	Description of work	Unit	Quantity	Rate as per estimate in Rs.	
				In Figures	In Words
1	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)	Sqm	7946.83	259.93	Rupees Two Hundred Fifty Nine And Paise Ninety Three Only
	Above 125%	Sqm	1434.81	259.93	Rupees Two Hundred Fifty Nine And Paise Ninety Three Only
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3)	Cum	9123.77	336.25	Rupees Three Hundred Thirty Six And Paise Twenty Five Only
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinerics, curing, and all the other appurtenances required to complete the work as per technical specifications. [The cost of steel reinforcement & formwork shall be paid separately] Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	1269.01	6362.29	Rupees Six Thousand Three Hundred Sixty Two And Paise Twenty Nine Only
4	KSRRB M2200-E Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 550	Tonne	90.61	114292.20	Rupees One Lakh(s) Fourteen Thousand Two Hundred Ninety Two And Paise Twenty Only
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. [The cost of steel reinforcement & formwork to be paid separately] M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	1433.12	7265.75	Rupees Seven Thousand Two Hundred Sixty Five And Paise Seventy Five Only
6	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, including providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work	Sqm	5466.80	2083.49	Rupees Two Thousand Eighty Three And Paise Forty Nine Only

7	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc. complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	162.41	5064.93	Rupees Five Thousand Sixty Four And Paise Ninety Three Only
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	98.29	6554.75	Rupees Six Thousand Five Hundred Fifty Four And Paise Seventy Five Only
9	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as directed by the Engineer in Charge of the work (Approved Rate)	Nos	10850.00	509.81	Rupees Five Hundred Nine And Paise Eighty One Only
10	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	1759.03	94.02	Rupees Ninety Four And Paise Two Only
11	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	10110.15	71.90	Rupees Seventy One And Paise Ninety Only
	Above 125%	Cum	2760.81	71.90	Rupees Seventy One And Paise Ninety Only
12	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401	Cum	5304.78	2596.02	Rupees Two Thousand Five Hundred Ninety Six And Paise Two Only
	Above 125%	Cum	289.90	2596.02	Rupees Two Thousand Five Hundred Ninety Six And Paise Two Only
13	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	7011.25	2648.00	Rupees Two Thousand Six Hundred Forty Eight Only
	Above 125%	Cum	973.04	2648.00	Rupees Two Thousand Six Hundred Forty Eight Only
14	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	34668.16	48.67	Rupees Forty Eight And Paise Sixty Seven Only
15	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	74099.72	13.27	Rupees Thirteen And Paise Twenty Seven Only
16	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Cum	2344.67	10938.22	Rupees Ten Thousand Nine Hundred Thirty Eight And Paise Twenty Two Only

17	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG 30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	3002.42	12754.44	Rupees Twelve Thousand Seven Hundred Fifty Four And Paise Forty Four Only
18	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35:2015 The finished surface to be level, uniform and free from streaks and holes	Sqm	2756.23	528.72	Rupees Five Hundred Twenty Eight And Paise Seventy Two Only
19	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stack piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel	Cum	493.55	466.77	Rupees Four Hundred Sixty Six And Paise Seventy Seven Only
20	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates	Cum	357.09	5503.95	Rupees Five Thousand Five Hundred Three And Paise Ninety Five Only
21	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant curing of concrete slabs for 14 days, and water finishing to lines and grade as per drawing and technical specification clause	Cum	357.09	7562.41	Rupees Seven Thousand Five Hundred Sixty Two And Paise Forty One Only
22	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications.	Sqm	2953.57	1202.33	Rupees One Thousand Two Hundred Two And Paise Thirty Three Only
23	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.Km	29513.25	106.19	Rupees One Hundred Six And Paise Nineteen Only
24	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work Depth exceeding 1.5 m, but not exceeding 3 (V-I Page No.8, Item No.1.15.2 of PWD SR 2021-22)	Cum	252.76	353.95	Rupees Three Hundred Fifty Three And Paise Ninety Five Only

5	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (	Cum	104.01	7647.02	Rupees Seven Thousand Six Hundred Forty Seven And Paise Two Only
	Above 125%	Cum	19.68	7647.02	Rupees Seven Thousand Six Hundred Forty Seven And Paise Two Only
26	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	11.96	7873.33	Rupees Seven Thousand Eight Hundred Seventy Three And Paise Thirty Three Only
27	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand)	Cum	154.14	5997.27	Rupees Five Thousand Nine Hundred Ninety Seven And Paise Twenty Seven Only
	Above 125%	Cum	2.47	5997.27	Rupees Five Thousand Nine Hundred Ninety Seven And Paise Twenty Seven Only
28	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	Cum	316.60	225.64	Rupees Two Hundred Twenty Five And Paise Sixty Four Only
29	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	Kgs	10458.94	117.25	Rupees One Hundred Seventeen And Paise Twenty Five Only
30	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	359.07	1329.53	Rupees One Thousand Three Hundred Twenty Nine And Paise Fifty Three Only
31	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	30.56	1046.37	Rupees One Thousand Forty Six And Paise Thirty Seven Only
	Above 125%	Sqm	248.10	1046.37	Rupees One Thousand Forty Six And Paise Thirty Seven Only

32	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC/Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve Final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer in charge.	Sqm	354.81	824.04	Rupees Eight Hundred Twenty Four And Paise Four Only
	Above 125%	Sqm	35.29	824.04	Rupees Eight Hundred Twenty Four And Paise Four Only
33	Providing Nonne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications	Sqm	6.08	99983.69	Rupees Ninety Nine Thousand Nine Hundred Eighty Three And Paise Sixty Nine Only
	Above 125%	Sqm	4.39	99983.69	Rupees Ninety Nine Thousand Nine Hundred Eighty Three And Paise Sixty Nine Only
34	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	Nos	9.00	1642.56	Rupees One Thousand Six Hundred Forty Two And Paise Fifty Six Only
	Above 125%	Nos	6.00	1642.56	Rupees One Thousand Six Hundred Forty Two And Paise Fifty Six Only
35	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991 from manufacturer complete as per specification. 30 mm thick both side commercial	Sqm	27.12	2917.89	Rupees Two Thousand Nine Hundred Seventeen And Paise Eighty Nine Only
36	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized iron profile through out the window frame. The outer frame having an overall size of 44mm width x 40mmheight with reinforcement of 1mm thickness and Sash with overall size of 27mm X 53mm with UPVC honeycomb structure inside in lieu of GI reinforcement. Coextruded Glazing bead for fixing of glass shall be of size 9.5mm x 21.5mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with Crescent Locks. Wall thickness of frame & sash shall be of 2 mm.Maximum possible size - 1219mm x 1219mm. (The cost is inclusive of all fixtures and	Sqm	21.96	4550.50	Rupees Four Thousand Five Hundred Fifty And Paise Fifty Only
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Sqm	649.32	144.90	Rupees One Hundred Forty Four And Paise Ninety Only
38	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	11.81	4048.33	Rupees Four Thousand Forty Eight And Paise Thirty Three Only
	Above 125%	Sqm	5.20	4048.33	Rupees Four Thousand Forty Eight And Paise Thirty Three Only

	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per direction of Engineer-in-charge.	Sqm	964.63	279.84	Rupees Two Hundred Seventy Nine And Paise Eighty Four Only
	Above 125%	Sqm	39.59	279.84	Rupees Two Hundred Seventy Nine And Paise Eighty Four Only
40	Providing 20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	589.08	339.57	Rupees Three Hundred Thirty Nine And Paise Fifty Seven Only
41	Providing and laying flooring and steps fine machine polished granite stone upto 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	285.11	2655.75	Rupees Two Thousand Six Hundred Fifty Five And Paise Seventy Five Only
	Above 125%	Sqm	38.48	2655.75	Rupees Two Thousand Six Hundred Fifty Five And Paise Seventy Five Only
42	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete	Sqm	24.75	855.02	Rupees Eight Hundred Fifty Five And Paise Two Only
43	Providing skirting, dadocing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications	Sqm	55.57	2171.27	Rupees Two Thousand One Hundred Seventy One And Paise Twenty Seven Only
44	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge	Sqm	943.83	105.08	Rupees One Hundred Five And Paise Eight Only
	Above 125%	Sqm	51.27	105.08	Rupees One Hundred Five And Paise Eight Only
45	Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	599.38	21.02	Rupees Twenty One And Paise Two Only
46	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	599.38	150.43	Rupees One Hundred Fifty And Paise Forty Three Only
47	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge	Sqm	18.00	143.79	Rupees One Hundred Forty Three And Paise Seventy Nine Only
48	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. Complete	Nos	14.00	193.57	Rupees One Hundred Ninety Three And Paise Fifty Seven Only
49	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc.125x65x2.12/mm	Nos	0.00	42.03	Rupees Forty Two And Paise Three Only

	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10mm	Nos	8.00	372.76	Rupees Three Hundred Seventy Two And Paise Seventy Six Only
51	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Nos	6.00	5536.03	Rupees Five Thousand Five Hundred Thirty Six And Paise Three Only
52	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm	Nos	4.00	5136.73	Rupees Five Thousand One Hundred Thirty Six And Paise Seventy Three Only
53	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Nos	2.00	7331.23	Rupees Seven Thousand Three Hundred Thirty One And Paise Twenty Three Only
54	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes	m	56.25	412.58	Rupees Four Hundred Twelve And Paise Fifty Eight Only
	Above 125%	m	38.75	412.58	Rupees Four Hundred Twelve And Paise Fifty Eight Only
55	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes	m	60.00	526.50	Rupees Five Hundred Twenty Six And Paise Fifty Only
56	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes	m	30.00	614.99	Rupees Six Hundred Fourteen And Paise Ninety Nine Only
57	Supplying PVC ringfit pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per IS5 (Contractor will make his own arrangements for procuring water for testing) etc. for PVC pipes 110mm dia., 6 kg/sqcm & class 3(Page No.134, Item No.3.7 of PWDSR SR 2021-22)	M	45.00	398.18	Rupees Three Hundred Ninety Six And Paise Eighteen Only
58	Providing and fixing gun metal non- return valve of approved quality (screwed end)(V-II Page No.115, Item No.13.6.1.2 of PWD SR 2021-22)	Nos	6.00	611.67	Rupees Six Hundred Eleven And Paise Sixty Seven Only
59	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete(V-II Page No.115, Item No.13.5.2 of PWD SR 2021-22)	Each	4.00	398.20	Rupees Three Hundred Ninety Eight And Paise Twenty Only

	...g and fixing PTMT pillar cock of approved quality and colour15 mm ...ninal bore 175 mm long foam flow, weighing not less than 120 gms(V-II ...ge No 115 Item No 13.20.2 of PWD SR 2021-22)	Each	6.00	243.34	Rupees Two Hundred Forty Three And Paise Thirty Four Only
	...ottle trap 38 mm single piece moulded with height of 270 mm, effective ...epth of tail pipe 260 mm from the centre of the waste coupling 77 mm ...eeper with 25 mm minimum water seal, weighing not less than 263 gms (V- ...ge No 129, Item No 14.37.2 of PWD SR 2021-22)	Each	6.00	269.89	Rupees Two Hundred Sixty Nine And Paise Eighty Nine Only
63	...Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm ...2mm thick conforming to IS 2509 with suitable size bends, metal/PVC ...junction boxes adhesive paste etc., and running before concreting the slab. ...The conduit should be tied to the reinforcement rods by using binding wires ...and unused ways of junction boxes and pipes ends should be covred using PVC ...end enclosures run with 18SWG GI fish wire wherever necessary.19/20mm dia ...2mm thick (Page No 1, Item No.1.2.1 of PWD Electrical SR2022-23)	m	100.00	61.34	Rupees Sixty One And Paise Thirty Four Only
64	Providing and fixing Steel work welded in built up sections/ framed work ...including cutting, hoisting, fixing in position and applying a priming coat of ...approved steel primer using structural steel etc. as required in gratings, ...frames, guard bar, ladder, railings, brackets, gates and similar works including ...cost of materials, labour, usage charges ofmachinery complete as per ...specifications and as per directions of the Engineer in Charge. (V-2 Page ...No.82, Item No.13.25.2 of PWD SR 2021-22) Issue Rate On 07.04.22	Kg	577.50	147.11	Rupees One Hundred Forty Seven And Paise Eleven Only
	Above 125%	Kg	827.75	147.11	Rupees One Hundred Forty Seven And Paise Eleven Only
64	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick (Page No.1, Item No.1.2.2 of PWD Electrical SR 2021-22	m	100.00	70.39	Rupees Seventy And Paise Thirty Nine Only
65	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary 19/20mm dia 2mm thick(Page No.1, Item No.1.3.1 of PWD Electrical SR 2021-22)	m	100.00	75.42	Rupees Seventy Five And Paise Forty Two Only
66	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2 mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a)25mm dia 2 mm thick (Page No.1, Item No.1.3.2 of PWD Electrical SR 2021-22)	m	100.00	80.44	Rupees Eighty And Paise Forty Four Only
67	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick (Page No.1, Item No.1.3.3 of PWD Electrical SR 2021-22)	m	12.50	105.58	Rupees One Hundred Five And Paise Fifty Eight Only
	Above 125%	m	87.50	105.58	Rupees One Hundred Five And Paise Fifty Eight Only
68	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS 694 1990 & conforming to GTP of Group-A (Page No 3 Item No 2.3 of PWD Electrical SR 2021-22) 1.0 Sqm	m	200.00	18.10	Rupees Eighteen And Paise Ten Only
69	1.5 Sqm	m	100.00	26.14	Rupees Twenty Six And Paise Fourteen Only
70	2.5 Sqm	m	170.00	40.22	Rupees Forty And Paise Twenty Two Only

	4.0 Sqm	m	90.00	59.33	Rupees Fifty Nine And Paise Thirty Three Only
72	10.0 Sqm	m	40.00	157.87	Rupees One Hundred Fifty Seven And Paise Eighty Seven Only
73	Point wiring using Copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block complete for each outlet.(5/2.3) Using class A materials (Page No 3, Item No 2.2 of PWD Electrical SR 2021-22). Short point up to 3mtrs from tapping point to out let via switch (Page No 3, Item No 2.2.1 of PWD Electrical SR 2021-22)	Point	25.00	252.39	Rupees Two Hundred Fifty Two And Paise Thirty Nine Only
74	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch (Page No 3, Item No 2.2.2 of PWD Electrical SR 2021-22)	Point	5.00	363.00	Rupees Three Hundred Sixty Three Only
75	Long point a above 6mtr up to 10mtr from tapping point to out let via switch (Page No 3, Item No 2.2.3 of PWD Electrical SR 2021-22)	Point	20.00	545.01	Rupees Five Hundred Forty Five And Paise One Only
76	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP (Page No.13, Item No.5.17 of PWD Electrical SR 2021-22). 6-32Amps SP	Each	12.00	525.90	Rupees Five Hundred Twenty Five And Paise Ninety Only
77	6-32 Amps DP	Each	18.00	1109.12	Rupees One Thousand One Hundred Nine And Paise Twelve Only
78	40 Amps TPN	Each	8.00	2406.27	Rupees Two Thousand Four Hundred Six And Paise Twenty Seven Only
79	50-63 Amps SP	Each	8.00	738.07	Rupees Seven Hundred Thirty Eight And Paise Seven Only
80	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door Group A12Way SP &N (Page No.13, Item No.5.18.4 of PWD Electrical SR 2021-22)	Each	5.00	1599.82	Rupees One Thousand Five Hundred Ninety Nine And Paise Eighty Two Only
81	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A) (Page No.13, Item No.5.18.12 of PWD Electrical SR 2021-22)	Each	5.00	3755.71	Rupees Three Thousand Seven Hundred Fifty Five And Paise Seventy One Only
82	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box. (Page No.6, Item No 3.7 of PWD Electrical SR 2021-22)	Each	5.00	751.14	Rupees Seven Hundred Fifty One And Paise Fourteen Only
83	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way (Page No.5, Item No.3.4.1 of PWD Electrical SR 2021-22)	Each	25.00	123.68	Rupees One Hundred Twenty Three And Paise Sixty Eight Only

84	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to 265V, 50Hz AC power Supply. (Page No.41, Item No.12.23 of PWD Electrical SR 2021-22)	Each	20.00	301.66	Rupees Three Hundred One And Paise Sixty Six Only
85	Supply and fixing metal Fan box with round hook (Page No.2, Item No.1.12 of PWD Electrical SR 2021-22)	Nos	12.00	163.90	Rupees One Hundred Sixty Three And Paise Ninety Only
86	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 (Page No.5, Item No.3.6 of PWD Electrical SR 2021-22) 6Amps SP Switch	Each	50.00	88.49	Rupees Eighty Eight And Paise Forty Nine Only
87	6Amps 3way 5 pin socket	Each	20.00	162.90	Rupees One Hundred Sixty Two And Paise Ninety Only
88	16Amps SP Switch	Each	10.00	250.38	Rupees Two Hundred Fifty And Paise Thirty Eight Only
89	32Amps Flush/projected types DP switch	Each	10.00	377.08	Rupees Three Hundred Seventy Seven And Paise Eight Only
90	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (Page No.5, Item No.3.4 of PWD Electrical SR 2021-22) 1-3Way	Each	20.00	123.68	Rupees One Hundred Twenty Three And Paise Sixty Eight Only
91	4-5Way	Each	20.00	138.77	Rupees One Hundred Thirty Eight And Paise Seventy Seven Only
92	6Way	Each	20.00	213.18	Rupees Two Hundred Thirteen And Paise Eighteen Only
93	8Way	Each	24.00	251.39	Rupees Two Hundred Fifty One And Paise Thirty Nine Only
94	10-12Way	Each	16.00	326.80	Rupees Three Hundred Twenty Six And Paise Eighty Only
95	16Way	Each	4.00	355.96	Rupees Three Hundred Fifty Five And Paise Ninety Six Only
96	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (Page No.5, Item No.3.5 of PWD Electrical SR 2021-22). 1 to 3 Module	Each	20.00	152.84	Rupees One Hundred Fifty Two And Paise Eighty Four Only
97	4Moudule	Each	20.00	175.97	Rupees One Hundred Seventy Five And Paise Ninety Seven Only
98	6Moudule	Each	20.00	245.35	Rupees Two Hundred Forty Five And Paise Thirty Five Only
99	8Moudule	Each	24.00	303.67	Rupees Three Hundred Three And Paise Sixty Seven Only
100	10Moudule	Each	16.00	365.01	Rupees Three Hundred Sixty Five And Paise One Only
101	12Moudule	Each	4.00	405.23	Rupees Four Hundred Five And Paise Twenty Three Only
102	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles Single phase AC supply conforming to ISS 374-1979 and with double ball bearing system (84/9 3156" Sweep (1400mm) Regular model	Each	0.00	2182.03	Rupees Two Thousand One Hundred Eighty Two And Paise Three Only

103	Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life protection with PF> 0.95 & TC(deg C) > 65 degC. Operating voltage range from 180V to 265V, 50Hz AC power Supply.(Page No.40, Item No.12.22.3 of PWD Electrical SR 2021-22)	Each	0.00	729.02	Rupees Seven Hundred Twenty Nine And Paise Two Only
104	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders (Page No.45, Item No.13.7.1 of PWD Electrical SR 2021-22)	Each	0.00	119.66	Rupees One Hundred Nineteen And Paise Sixty Six Only
105	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S. by vertical electrical sounding by adopting Venner orSchlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper sealing of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on	Nos	1.00	5686.46	Rupees Five Thousand Six Hundred Eighty Six And Paise Forty Six Only
106	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)(P.151, I.No-1) BWSSB.SR 2021-22 0 to 50 m (Code No-0010A)	m	50.00	320.77	Rupees Three Hundred Twenty And Paise Seventy Seven Only
107	50 to 100 m (Code No-0010B)	m	50.00	402.62	Rupees Four Hundred Two And Paise Sixty Two Only
108	100 to 150 m (Code No-0010C)	m	50.00	428.06	Rupees Four Hundred Twenty Eight And Paise Six Only
109	150 to 200 m (Code No-0010D)	m	50.00	496.64	Rupees Four Hundred Ninety Six And Paise Sixty Four Only
110	200 to 250 m (Code No-0010E)	m	50.00	582.91	Rupees Five Hundred Eighty Two And Paise Ninety One Only
111	250 to 300 m (Code No-0010F)	m	39.00	617.20	Rupees Six Hundred Seventeen And Paise Twenty Only
112	300 to 350 m (Code No-0010G)	m	0.00	685.78	Rupees Six Hundred Eighty Five And Paise Seventy Eight Only
113	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends threaded conforming to IS 554 1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m prices include Collar Medium duty	Rmtr	70.00	2138.09	Rupees Two Thousand One Hundred Thirty Eight And Paise Nine Only
114	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm (P. No.162, I. No. 33.1 BWSSB SR 2021-22)	Each	0.00	3373.60	Rupees Three Thousand Three Hundred Seventy Three And Paise Sixty Only
115	PVC pipe - OD 250mm and 6 Kg/sqcm	Rmtr	6.00	1216.71	Rupees One Thousand Two Hundred Sixteen And Paise Seventy One Only

116	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powdercoating extruded PVC sheathed suitable for working voltageupto 1100 V as per IS-694-2010. 3C x 6 mm2	Mtr	460.00	243.34	Rupees Two Hundred Forty Three And Paise Thirty Four Only
117	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00"(	Nos	1.00	76606.27	Rupees Seventy Six Thousand Six Hundred Six And Paise Twenty Seven Only
118	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits DC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (P. No.164, I. No. 45, BWSSB SR 2021-22)	Job	1.00	4147.87	Rupees Four Thousand One Hundred Forty Seven And Paise Eighty Seven Only
119	Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20" x 20" x 2.5" (P No. 10 No.5.6.6,Part I Electrical SR 2021-22)	Each	1.00	316.75	Rupees Three Hundred Sixteen And Paise Seventy Five Only
120	Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	1.00	374.06	Rupees Three Hundred Seventy Four And Paise Six Only
121	Supplying & fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50-63 A TPN	Each	1.00	2412.30	Rupees Two Thousand Four Hundred Twelve And Paise Thirty Only
122	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregate/ Sand/Kankar/Moorum.	Cum	10.80	205.73	Rupees Two Hundred Five And Paise Seventy Three Only
123	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete.	Cum	3.60	2407.98	Rupees Two Thousand Four Hundred Seven And Paise Ninety Eight Only
124	Supplying PVC ringtite pipes conforming to IS 4985-2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe allround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per IS5 (Contractor will make his own arrangements for procuring water for testing) etc.63mm outer dia. 6kg/sqcm & class 3 for	Mtr	40.00	169.30	Rupees One Hundred Sixty Nine And Paise Thirty Only
125	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. including cost of all labour complete as per specifications	Cum	10.80	135.02	Rupees One Hundred Thirty Five And Paise Two Only
126	Supplying fully automatic star-delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP	Nos	1.00	8687.20	Rupees Eight Thousand Six Hundred Eighty Seven And Paise Twenty Only

E1	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cIA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.cm	22000.00	0.38	Rupees And Paise Thirty Eight Only
E2	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions and as per the directions of the Engineer-in-charge of the work	Job	1.00	1493.17	Rupees One Thousand Four Hundred Ninety Three And Paise Seventeen Only
E3	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces and as per the directions of the Engineer-in-charge of the work	Mtr	25.00	407.23	Rupees Four Hundred Seven And Paise Twenty Three Only
E4	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia and as per the directions of the Engineer-in-charge of the work	Job	1.00	4147.69	Rupees Four Thousand One Hundred Forty Seven And Paise Sixty Nine Only
E5	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	1.00	1382.56	Rupees One Thousand Three Hundred Eighty Two And Paise Fifty Six Only
E6	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	1.00	1410.21	Rupees One Thousand Four Hundred Ten And Paise Twenty One Only
E7	Supplying, laying and jointing HDPE pipes of specified grade andconforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe aleound to a depth of not less than 15 cms with soft gravel or selected earth availablefrom the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc complete (Contractor will make his own arrangements for procuring water for testing) etc. Note: Upto 110mm dia Coil shall be used For Grade PE80 PN16.0	Mtr	228.00	264.35	Rupees Two Hundred Sixty Four And Paise Thirty Five Only

Executive Engineer,
Yelahanka Division
BBMP Bangalore